

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|---|------------------|---------|------------------|
| L1 | 1 | (machine adj vision and(smoking adj articles or filters adj rods or rolled adj smoking or cigarettes)and camera and(first adj support and distance and camera and(field adj view or FOV) and reference adj object and optimum adj configurat\$3 and digital adj camera and array adj pixel\$1).clm. | US_PGPUB | OR | ON | 2009/05/15 10:06 |
| L2 | 98 | ((("5768443") or ("4942539") or ("4984002") or ("5978521") or ("6137902") or ("4462046") or ("4555801") or ("4564295") or ("4566126") or ("4609939") or ("4781454") or ("4791482") or ("4792696") or ("4796997") or ("4853968") or ("4864395") or ("4922543") or ("4924507") or ("4933864") or ("4941182") or ("4945766") or ("4980971") or ("4998209") or ("5007096") or ("5193120") or ("5199084") or ("5222293") or ("5268734") or ("5280436") or ("5287183") or ("5317388") or ("5335110") or ("5343415") or ("5361308") or ("5374985") or ("5444799") or ("5465144") or ("5487116") or ("5500712") or ("5515130") or ("5533628") or ("5548418") or ("5548365") or ("5628036") or ("5642293") or ("5646733") or ("5706085") or ("5748992") or ("5751450") or ("5753903") or ("..pn..").PN. | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/05/15 10:09 |
| L3 | 0 | L2 and machine adj vision and(smoking adj articles or filters adj rods or rolled adj smoking or cigarettes)and camera and distance and camera and(field adj view or FOV)and reference adj object and optimum adj configurat\$3 and digital adj camera and array adj pixel\$1 | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/05/15 10:10 |
| L4 | 0 | L2 and machine adj vision and(smoking adj articles or filters adj rods or rolled adj smoking or cigarettes) | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/05/15 10:10 |
| L5 | 98 | L2 and(@ad<"20030320" or @lad<"20030320" or @prad<"20030320" or @ptad<"20030320") | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/05/15 10:31 |
| L10 | 15 | L5 and camera and(detected\$3 or determining)and distance and(field adj view or FOV) | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/05/15 10:35 |
| L12 | 0 | L10 and select\$3 adj moving and(camera or ccd or sensor or detector\$1)and(plurality or plural\$1) and(reference adj image\$1 or model\$1)and(field adj view or FOV) and distance | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/05/15 10:37 |
| L13 | 0 | L10 and(camera or ccd or sensor or detector\$1) and(reference adj image\$1 or model\$1)and optimum adj configurat\$3 and digital adj camera and array adj pixel\$1 | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/05/15 10:38 |

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|-----|-----|---|---|----|----|---------------------|
| S1 | 40 | inspect\$3 and machine adj vision and (smoking adj articles or filters adj rods or rolled adj smoking or cigarettes) | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/09 12:13 |
| S2 | 0 | S1 and (camera or cod or sensor or detector\$1) and (field adj view or FOV) and moving adj mechanism and controller and processor | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/09 12:16 |
| S3 | 10 | S1 and (camera or cod or sensor or detector\$1) and (field adj view or FOV) and controller and processor | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/09 12:16 |
| S4 | 9 | S3 and (@ad<"20030320" or @lad<"20030320" or @prad<"20030320" or @ptad<"20030320") | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/09 12:18 |
| S5 | 207 | ((RONALD) near2 (WILSON)).INV. | US_PGPUB; USPAT | OR | ON | 2008/11/09 12:19 |
| S6 | 24 | ((GARY) near2 (PITT)).INV. | US_PGPUB; USPAT | OR | ON | 2008/11/09 12:19 |
| S7 | 1 | ((TIMOTHY) near2 (IRONS)).INV. | US_PGPUB; USPAT | OR | ON | 2008/11/09 12:20 |
| S8 | 14 | ((WILLIAM) near2 (EVERITT)).INV. | US_PGPUB; USPAT | OR | ON | 2008/11/09 12:21 |
| S9 | 1 | S6 and inspect\$3 and machine adj vision and (smoking adj articles or filters adj rods or rolled adj smoking or cigarettes) | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/09 12:21 |
| S10 | 1 | S9 and (camera or cod or sensor or detector\$1) and (field adj view or FOV) and controller and processor | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/09 12:21 |
| S11 | 0 | S10 and (@ad<"20030320" or @lad<"20030320" or @prad<"20030320" or @ptad<"20030320") | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/09 12:21 |
| S12 | 0 | S6 and inspect\$3 and machine adj vision and (smoking adj articles or filters adj rods or rolled adj smoking or cigarettes) | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/09 12:24 |
| S13 | 0 | S6 and inspect\$3 and machine adj vision | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/09 12:25 |
| S14 | 1 | S6 and machine adj vision | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/09 12:25 |

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| S15 | 0 | S7 and machine adj vision and inspect\$3 and machine adj vision and (smoking adj articles or filters adj rods or rolled adj smoking or cigarettes) | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/09 12:26 |
| S16 | 0 | S7 and inspect\$3 and machine adj vision and (smoking adj articles or filters adj rods or rolled adj smoking or cigarettes) | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/09 12:26 |
| S17 | 1 | S8 and inspect\$3 and machine adj vision and (smoking adj articles or filters adj rods or rolled adj smoking or cigarettes) | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/09 12:28 |
| S18 | 0 | S17 and (@ad<"20030320" or @rlad<"20030320" or @prad<"20030320" or @ptad<"20030320") | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/09 12:28 |
| S19 | 0 | (inspect\$3 and machine adj vision and (smoking adj articles or filters adj rods or rolled adj smoking or cigarettes) and (camera or ccd or sensor or detector\$1) and (field adj view or FOV) and controller and processor), CLM. | US_PGPUB | OR | ON | 2008/11/09 12:31 |
| S20 | 10 | S3 and machine adj vision | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/09 12:35 |
| S21 | 9 | S20 and (@ad<"20030320" or @rlad<"20030320" or @prad<"20030320" or @ptad<"20030320") | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/09 12:35 |
| S22 | 1 | S20 and @ad<"20030320" | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/09 12:35 |
| S23 | 31 | S1 and (@ad<"20030320" or @rlad<"20030320" or @prad<"20030320" or @ptad<"20030320") | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/09 12:36 |
| S24 | 22 | S23 and @ad<"20030320" | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/09 12:36 |
| S25 | 31 | S23 and inspect\$3 and machine adj vision and (smoking adj articles or filters adj rods or rolled adj smoking or cigarettes) | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/09 12:37 |
| S26 | 9 | S25 and (camera or ccd or sensor or detector\$1) and (field adj view or FOV) and controller and processor | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/11/09 12:37 |

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| S27 | 44 | inspect\$3 and machine adj vision and (smoking adj articles or filters adj rods or rolled adj smoking or cigarettes) | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/05/14 20:18 |
| S28 | 11 | S27 and (camera or cod or sensor or detector\$1) and (field adj view or FOV) and controller and processor | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/05/14 20:19 |
| S29 | 10 | S28 and (@ad<"20030320" or @rlad<"20030320" or @prad<"20030320" or @ptad<"20030320") | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/05/14 20:20 |
| S30 | 6 | S29 and (detected\$3 or determining) and physical adj property and support and distance and (camera or cod or sensor or detector\$1) and (field adj view or FOV) | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/05/14 20:25 |
| S31 | 0 | S30 and reference adj (image\$1 or object) and dimensional and second adj support | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/05/14 20:27 |
| S32 | 6 | S30 and reference adj (image\$1 or object) and dimension | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/05/14 20:30 |
| S33 | 0 | S30 and reference adj (image\$1 or object) and dimension and second adj support | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/05/14 20:30 |
| S35 | 0 | S32 and (detected\$3 or determining) and optimum adj configurat\$3 and adjust\$3 and (camera or cod or sensor or detector\$1) and (field adj view or FOV) and controller and processor | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/05/14 20:34 |
| S36 | 0 | S32 and select\$3 adj moving and (camera or cod or sensor or detector\$1) and (plurality or plural\$1) adj support and (reference adj image\$1 or model \$1) and (field adj view or FOV) and predetermined and distance | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/05/14 20:39 |
| S37 | 0 | S32 and select\$3 adj moving and (camera or cod or sensor or detector\$1) and (plurality or plural\$1) adj support and (reference adj image\$1 or model \$1) and (field adj view or FOV) and distance | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/05/14 20:39 |
| S39 | 0 | S32 and (camera or cod or sensor or detector\$1) and (reference adj image\$1 or model\$1) and optimum adj configurat\$3 and digital adj camera and array adj pixel\$1 | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/05/14 20:42 |
| S40 | 6 | S32 and (@ad<"20030320" or @rlad<"20030320" or @prad<"20030320" or @ptad<"20030320") | US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/05/14 20:42 |

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| S41 | 0 | S32 and @ad<"20030320" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/05/14 20:43 |
| S42 | 98 | ((("5768443") or ("4942539") or ("4984002") or ("5978521") or ("6137902") or ("4462046") or ("4555801") or ("4564295") or ("4566126") or ("4609939") or ("4781454") or ("4791482") or ("4792696") or ("4796997") or ("4853968") or ("4864395") or ("4922543") or ("4924507") or ("4933864") or ("4941182") or ("4945766") or ("4980971") or ("4998209") or ("5007096") or ("5193120") or ("5199084") or ("5222293") or ("5268734") or ("5280436") or ("5287183") or ("5317388") or ("5335110") or ("5343415") or ("5361308") or ("5374985") or ("5444799") or ("5465144") or ("5487116") or ("5500712") or ("5515130") or ("5533628") or ("5548418") or ("5548365") or ("5628036") or ("5642293") or ("5646733") or ("5706085") or ("5748992") or ("5751450") or ("5753903") or ("..pn..")).PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/05/14 21:50 |
| S43 | 44 | Inspect\$3 and machine adj vision and(smoking adj articles or filters adj rods or rolled adj smoking or cigarettes) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/05/14 21:50 |
| S44 | 11 | S43 and(camera or ccd or sensor or detector\$1) and(field adj view or FOV)and controller and processor | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/05/14 21:51 |
| S45 | 6 | S44 and(detect\$3 or determining)and physical adj property and support and distance and (camera or ccd or sensor or detector\$1)and(field adj view or FOV) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/05/14 21:51 |
| S46 | 6 | S45 and reference adj(image\$1 or object) and dimension | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/05/14 21:54 |
| S47 | 0 | S46 and reference adj(image\$1 or object) and dimensional and second adj support | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/05/14 21:55 |
| S48 | 0 | S46 and reference adj(image\$1 or object) and dimension and second adj support | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/05/14 22:00 |
| S49 | 0 | S46 and(detect\$3 or determining)and optimum adj configurat\$3 and adjust\$3 and(camera or ccd or sensor or detector\$1)and(field adj view or FOV)and controller and processor | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/05/14 22:01 |

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|-----|------|--|--|----|----|------------------|
| S50 | 0 | S46 and select\$3 adj moving and(camera or ccd or sensor or detector\$1)and(plurality or plural\$1) adj support and(reference adj image\$1 or model \$1)and(field adj view or FOV)and predetermined and distance | US-PPGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/05/14 22:03 |
| S51 | 0 | S46 and(camera or ccd or sensor or detector\$1) and(reference adj image\$1 or model\$1) and optimum adj configurat\$3 and digital adj camera and array adj pixel\$1 | US-PPGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/05/14 22:04 |
| S52 | 6 | S46 and(@ad<"20030320" or @rlad="20030320" or @prad<"20030320" or @ptad<"20030320") | US-PPGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/05/14 22:06 |
| S53 | 3777 | 382/294,291,154,141,151,287,204.ccls. | USPAT | OR | ON | 2009/05/14 22:40 |
| S54 | 3 | S53 and inspect\$3 and machine adj vision and (smoking adj articles or filters adj rods or rolled adj smoking or cigarettes) | USPAT | OR | ON | 2009/05/14 22:41 |
| S55 | 0 | S54 and(detect\$3 or determining)and physical adj property and support and distance and (camera or ccd or sensor or detector\$1)and(field adj view or FOV) | USPAT | OR | ON | 2009/05/14 22:42 |
| S56 | 0 | S54 and reference adj(image\$1 or object)and dimension | US-PPGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/05/14 22:45 |
| S57 | 0 | S54 and reference adj(image\$1 or object)and dimension | USPAT | OR | ON | 2009/05/14 22:45 |
| S58 | 0 | S54 and reference adj(image\$1 or object)and dimension | USPAT | OR | ON | 2009/05/14 22:46 |
| S59 | 0 | S54 and(detect\$3 or determining)and optimum adj configurat\$3 and adjust\$3 and(camera or ccd or sensor or detector\$1)and(field adj view or FOV)and controller and processor | USPAT | OR | ON | 2009/05/14 22:48 |
| S60 | 0 | S54 and select\$3 adj moving and(camera or ccd or sensor or detector\$1)and(plurality or plural\$1) adj support and(reference adj image\$1 or model \$1)and(field adj view or FOV)and predetermined and distance | USPAT | OR | ON | 2009/05/14 22:48 |
| S61 | 0 | S54 and select\$3 adj moving and(camera or ccd or sensor or detector\$1)and(plurality or plural\$1) adj support and(reference adj image\$1 or model \$1)and(field adj view or FOV)and predetermined and distance | USPAT | OR | ON | 2009/05/14 22:49 |
| S62 | 2229 | 356/139.06,604,512,614,237.1.ccls. | USPAT | OR | ON | 2009/05/14 23:13 |
| S63 | 2 | S62 and inspect\$3 and machine adj vision and (smoking adj articles or filters adj rods or rolled adj smoking or cigarettes) | USPAT | OR | ON | 2009/05/14 23:13 |
| S64 | 0 | S63 and(detect\$3 or determining)and physical adj property and support and distance and (camera or ccd or sensor or detector\$1)and(field adj view or FOV) | USPAT | OR | ON | 2009/05/14 23:14 |
| S65 | 0 | S63 and reference adj(image\$1 or object)and dimension | USPAT | OR | ON | 2009/05/14 23:14 |

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|-----|------|--|----------|----|----|------------------|
| S66 | 2 | S63 and inspect\$3 and machine adj vision and (smoking adj articles or filters adj rods or rolled adj smoking or cigarettes) | USPAT | OR | ON | 2009/05/14 23:15 |
| S67 | 0 | S66 and select\$3 adj moving and(camera or ccd or sensor or detector\$1)and(plurality or plural\$1) adj support and(reference adj image\$1 or model \$1)and(field adj view or FOV)and predetermined and distance | USPAT | OR | ON | 2009/05/14 23:19 |
| S68 | 1599 | 348/94,e5.037,86,e5 042.cds. | USPAT | OR | ON | 2009/05/14 23:43 |
| S69 | 2 | S68 and inspect\$3 and machine adj vision and (smoking adj articles or filters adj rods or rolled adj smoking or cigarettes) | USPAT | OR | ON | 2009/05/14 23:43 |
| S70 | 0 | S69 and(detect\$3 or determining)and physical adj property and support and distance and (camera or ccd or sensor or detector\$1)and(field adj view or FOV) | USPAT | OR | ON | 2009/05/14 23:44 |
| S71 | 0 | S69 and reference adj(image\$1 or object) and dimension | USPAT | OR | ON | 2009/05/14 23:45 |
| S72 | 0 | S69 and select\$3 adj moving and(camera or ccd or sensor or detector\$1)and(plurality or plural\$1) adj support and(reference adj image\$1 or model \$1)and(field adj view or FOV)and predetermined and distance | USPAT | OR | ON | 2009/05/14 23:45 |
| S73 | 0 | S69 and reference adj(image\$1 or object) and dimension | USPAT | OR | ON | 2009/05/14 23:46 |
| S74 | 0 | S69 and(camera or ccd or sensor or detector\$1) and(reference adj image\$1 or model\$1) and optimum adj configurat\$3 and digital adj camera and array adj pixel\$1 | USPAT | OR | ON | 2009/05/14 23:47 |
| S75 | 0 | (inspect\$3 and machine adj vision and(smoking adj articles or filters adj rods or rolled adj smoking or cigarettes)and camera and(detect\$3 or determining)and physical adj property and first adj support and distance and(camera or ccd or sensor or detector\$1)and(field adj view or FOV)and reference adj object and optimum adj configurat\$3 and adjust\$3 and digital adj camera and array adj pixel\$1).clm. | US-PGPUB | OR | ON | 2009/05/15 00:04 |
| S76 | 0 | (inspect\$3 and machine adj vision and(smoking adj articles or filters adj rods or rolled adj smoking or cigarettes)and camera and(detect\$3 or determining)and physical adj property and first adj support and distance and(camera or ccd or sensor or detector\$1)and(field adj view or FOV)and reference adj object and optimum adj configurat\$3).clm. | US-PGPUB | OR | ON | 2009/05/15 00:05 |

5/15/09 11:15:49 AM

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